

201220" 8/98/00F

FIG. 2

APPLN. FILING DATE: FEBRUARY 21, 2002
TITLE: A PRECURSOR POLYPEPTIDE OF PHYTOSULFOKINE DERIVED FROM
ARABIDOPSIS THALIANA AND A GENE ENCODING SAID POLYPEPTIDE
INVENTOR(S): YOJI SAKAGAMI ET AL.
APPLICATION SERIAL NO: NEW APPLICATION SHEET 2 of 10

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1  CTCTCAGGCTCCCATTTATCTTCTCTCTATTTTGCATAATCAGTATGGGTAAGTTTCAACAACC 60
    M G K F T T
61  ATTTTCATCATGGCTCTCCCTTCTCTCTCTCTACGCTAACCTACGACGCAAGGCTGACTCCG 120
    I F I M A L L L C S T L T Y A A R L T P
121  ACGACAACCAACCGCTTTGTCCAGAGAAAACCTCCGTCAAGGAATTTGAAGGAGACAAAGGTT 180
    T T T A L S R E N S V K E I E G D K V
181  GAAGAAGAAAGCTGCAACGGAAATTGGAGAGAAAGAAATGTTTGAATAAGACGAAGCCTTCTT 240
    E E S C N G I G E E C L I (R) S L L
241  CTTCACACCGATTACATTTATCTCAGAAATCACAAGCCCTAAGTTTCTGTATTAGAGCAA 300
    L H T D Y I Y T Q N H (K) P *
301  TTAATTACTAATTACATTATCAAAACCTATCACTGTAGTACTTCTGTCTTCTGTTCGTC 360
361  TTTTGTGTTTGTGTTTATGTTATCGCTATTTTAAAGTTTCATGTTATTGAAAG 420
421  TTCTTACACCATCATTTATGATAGTCTCTTAAACAAAAAATAAAAAAAAAAAAAA 479
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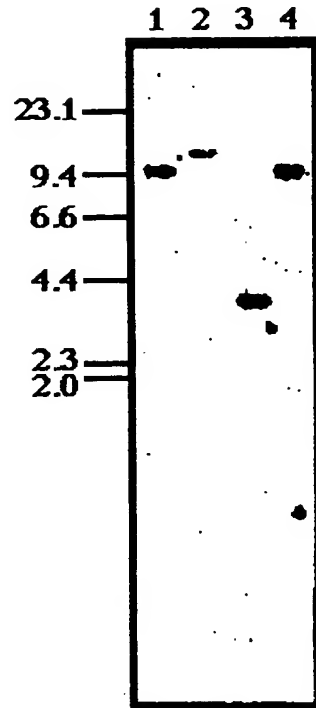
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FIG. 3



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FIG. 4

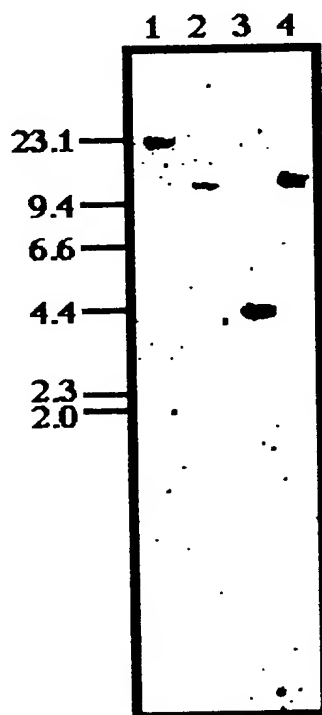


FIG. 5

OsPSK	1:MYN-PGRTARALCLLCLALLLLGQDTHSRK	29
AtPSK2	1:MANYSALLTIAL-LLCSTLMCTARPEPAIS	29
	* * * * *	
OsPSK	30:L-LLQEKHSHGVGNITTTTQEPSRENGGST	58
AtPSK2	30:ISITTAADPCNMEKKIEGKLDDMHMYEENC	59
OsPSK	59:GSNNNGQLQFDSAKWEEFHTDYIYTQDYKN	88
AtPSK2	60:GADDEDCL-MRRT-LVA-HTDYIYTQKKKH	86
	* * * * *	
OsPSK	89:P	89
AtPSK2	87:P	87
	*	

FIG. 6

OsPSK	1:	MVNPGR	TARALCLLCLALLLLGQDTHSRKL	30
AtPSKL	1:	—HGKFT—TI—FI—MALLLCSTLTYAARL	24	
		*	*****	* *
OsPSK	31:	LLQEKHSHGVGN	TTTTQEPSRENGGSTGS	60
AtPSKL	25:	TPTTTTALSRENSVKEIEGDKVEEESCNGI	54	
		*	*	*
OsPSK	61:	NNNGQLQFDSAKVEEFHTDYIYTQDYKNP	89	
AtPSKL	55:	GEEEC—I—R—RSLLLHTDYIYTQNHK—P	79	
		*	*****	* *

FIG. 7

AtPSK2	1:	MANYSA	LLTIALLLCSTLMCTARPEPAISI	30
AtPSKL	1:	HGKFTTIFIMALLLCSTLTYAARLTPTTTT	30	
		*	*****	* *
AtPSK2	31:	SITTAADPCNMEKKIEGKLDDHHMVEENC—	59	
AtPSKL	31:	ALSR—EN—SV—KEIEG—DKVE—EESC	52	
		*	***	* *
AtPSK2	60:	GADDEDCLMRRTLV	AHTDYIYTQKKKHP	87
AtPSKL	53:	GIGEEEC	LIRRSLLLHTDYIYTQNHK—P	79
		*	* ** *	* *

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FIG. 8

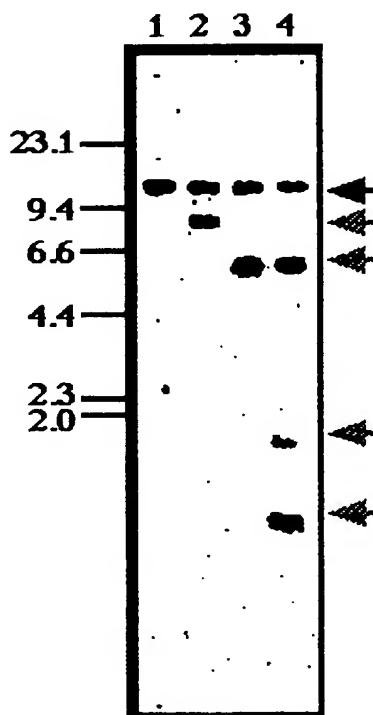


FIG. 9

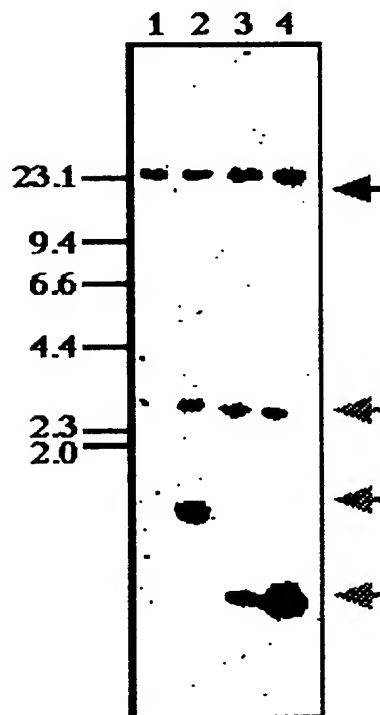


FIG. 10

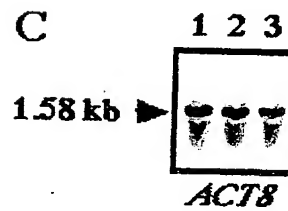
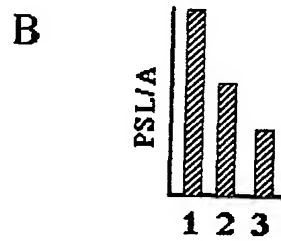
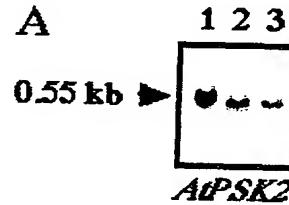
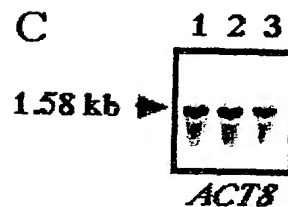
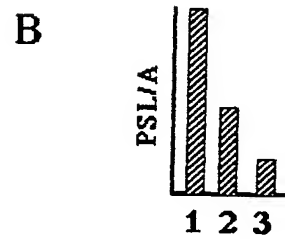
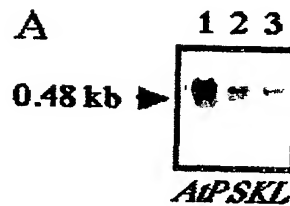


FIG. 11



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FIG. 12

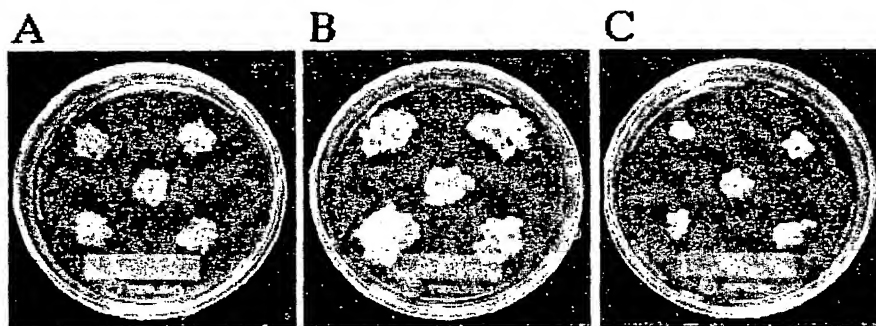
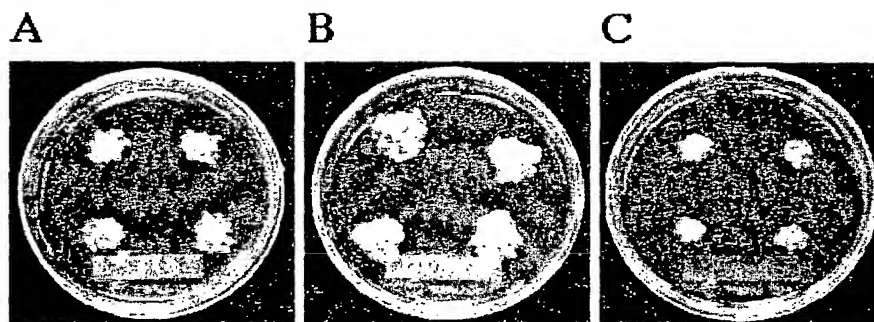


FIG. 13



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FIG. 14

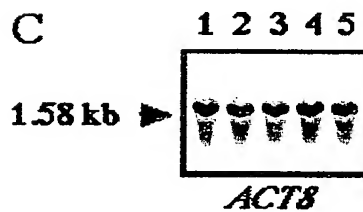
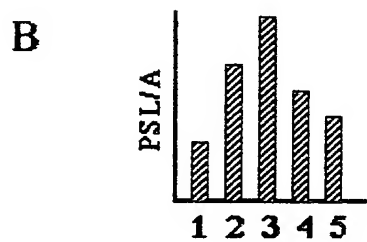
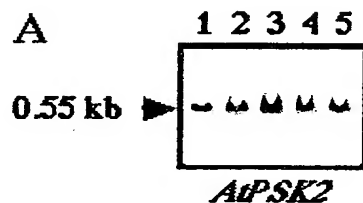


FIG. 15

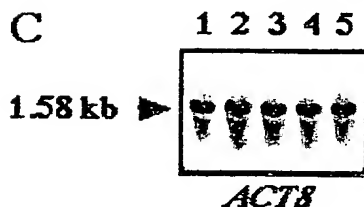
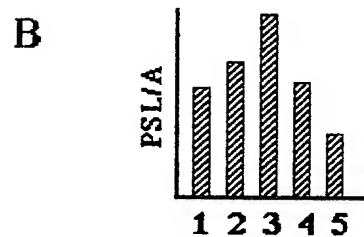
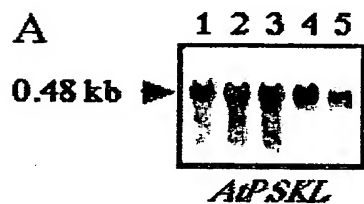


FIG. 16

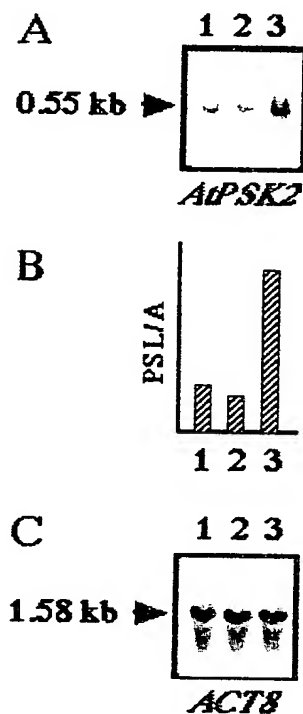


FIG. 17

